

GAP of: 0964DU63530aa check: 7513 from: 1 to: 392

WPDEF Case 0964D Rad23 protein encoded by GenBank U63530 Rice Rad23
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SwissProt entry

Q40742

U63530. Oryza sativa osRA. . .[gi:1488296] Links

LOCUS OSU63530 1533 bp mRNA linear PLN 07-
AUG-1997

DEFINITION Oryza sativa osRAD23 mRNA, complete cds. . . .

to: 0964sid4 check: 9188 from: 1 to: 368

WPDEF Case 0964 Rad23 SEQ ID NO: 4 corn

Case 0964 Rad23 SEQ ID NO: 4 corn

Symbol comparison table: blosum62.cmp CompCheck: 1102

BLOSUM62 amino acid substitution matrix.

Reference: Henikoff, S. and Henikoff, J. G. (1992). Amino acid
substitution matrices from protein blocks. Proc. Natl.
Acad.

Sci. USA 89: 10915-10919.

Gap Weight: 8 Average Match: 2.778
Length Weight: 2 Average Mismatch: -2.248

Quality: 861 Length: 394
Ratio: 2.340 Gaps: 12
Percent Similarity: 61.749 Percent Identity: 54.918

Match display thresholds for the alignment(s):

| = IDENTITY
: = 2
. = 1

0964DU63530aa x 0964sid4 October 28, 2003 11:26 ..

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      .
1 MKISVKTLKGSTFQIEVDSAQKVADVVKRIIETTQGGHIYPAEQQMLIHQG 50
  ||:.|||||. |:| | : ||: || ||. || ||:|| |
1 MKLTVKTLKGTHFEIRVQPNDTIMAVKKNIEEIQKDSYPWGQQLLIFNG 50
      .
51 KVLKDDTTLDENKVLNSFLVIMLRQKGSSSSAPATSKAPSNQAPPTQT 100
  |||||:..||:|||| |. |||:|| .|| | |. || . . | |.
51 KVLKDESTLEENKVNEDGFLVVMLSKGKTSGST..GTSSSQHSNTPATRQ 98
      .
101 VPAAPA.SQAPVAPATTVPVTVSAPTPTATASPAPAVAVSSEADNYGQAT 149
  | | | || | | :| | | | | | | | | | | | | | |
99 APPLEAPQQAQPP..VAPITTSQP.....EGLPAQAPNTH.DN...AA 136
      .
150 SNLVAGSNLEATIQSILEMGGGIWDRDIVLHALSAAFNNPERAVEYLYSG 199
  |||. .| |.: | :||| | ||:| | || ||:|||||
137 SNLLSGRNVDTIINQLMEMGGGSWDKDKVQRALRAAYNNPERAVEYLYSG 186
      .
200 VPEQMDIPVPPPSIQPANPTQASQATQPAAPSILSSGPNASPLDLFPQAL 249
  :| :| | | | | | | | | | | | | | | | | | | | |
187 IPVTAEIAVPIGG.QGANTTDRA....PTGEAGLSGIPNTAPLDLFPQGA 231

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250 PNASTDAAAGLGNLDALRNNAQFRTLLSLVQANPQILQPLLQELGKQNPQI 299
    ||  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
232 SNAGGGAGG.GPLDFLRNNPQFQAVREMVHTNPQILQPMLVELSKQNPQI 280

300 LQLIQENQAEFLHLINEPAEGDDEENLLDQFPE.AMPQTIAVTPEEDEAI 348
    |.||:| | | | |:| | | | | | | | | | | | | | | | | | | | | |
281 LRLIEENHDEFLQLLNEPFEG.GEGDFLDQPEEDEMPHAISVTPEEQEAI 329

349 LRLEPMGFDRALVLDVFFACNKDEQLAANYLLDHMNEFADEGPP 392
    | | | | | | | | | |: | | | | | | | | | | | | | | | | | |
330 GRLESMGFDRARVIEAFLACDRNEELAANYLLEHAGE.ED.... 368

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